

Emergency Water Conservation Regulation Update

Office of Research, Planning, and Performance

March 1, 2016



Status of Implementation

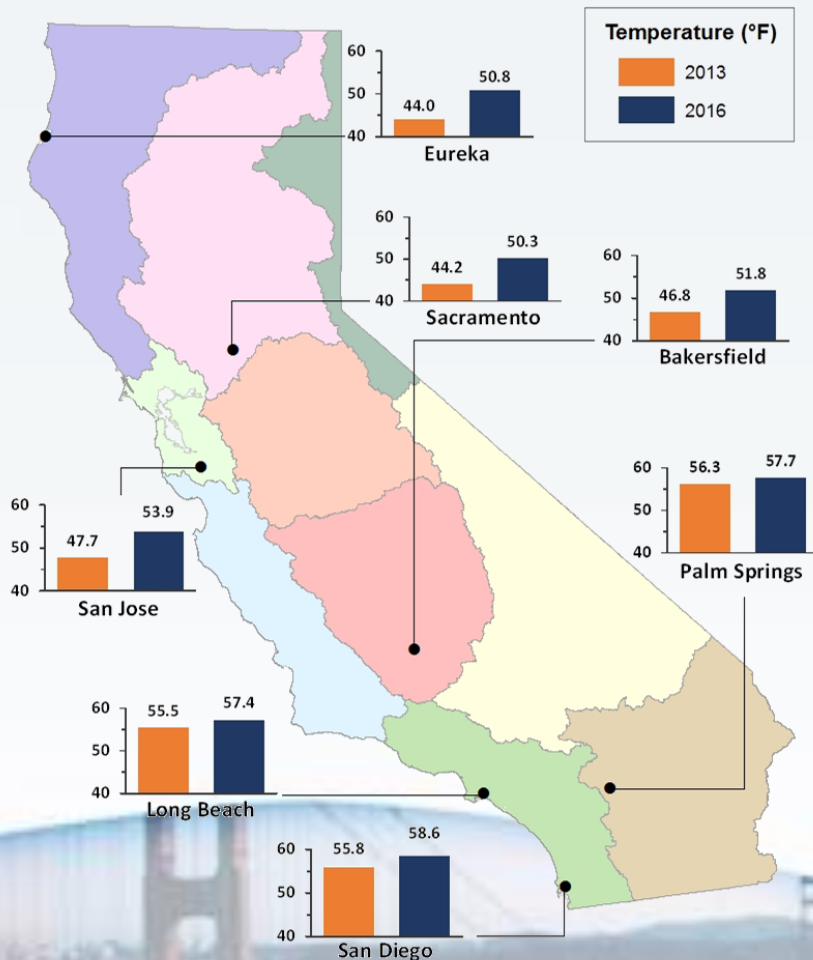
- Water production numbers collected from June 2014 through January 2016 (20 months)
- Eighth month with statewide goal to cumulatively reduce total potable urban water use by 25 percent
- 401 (of 410) suppliers submitted January reports
- Water Board enforcement actions taken based on June 2015 – January 2016 cumulative supplier compliance



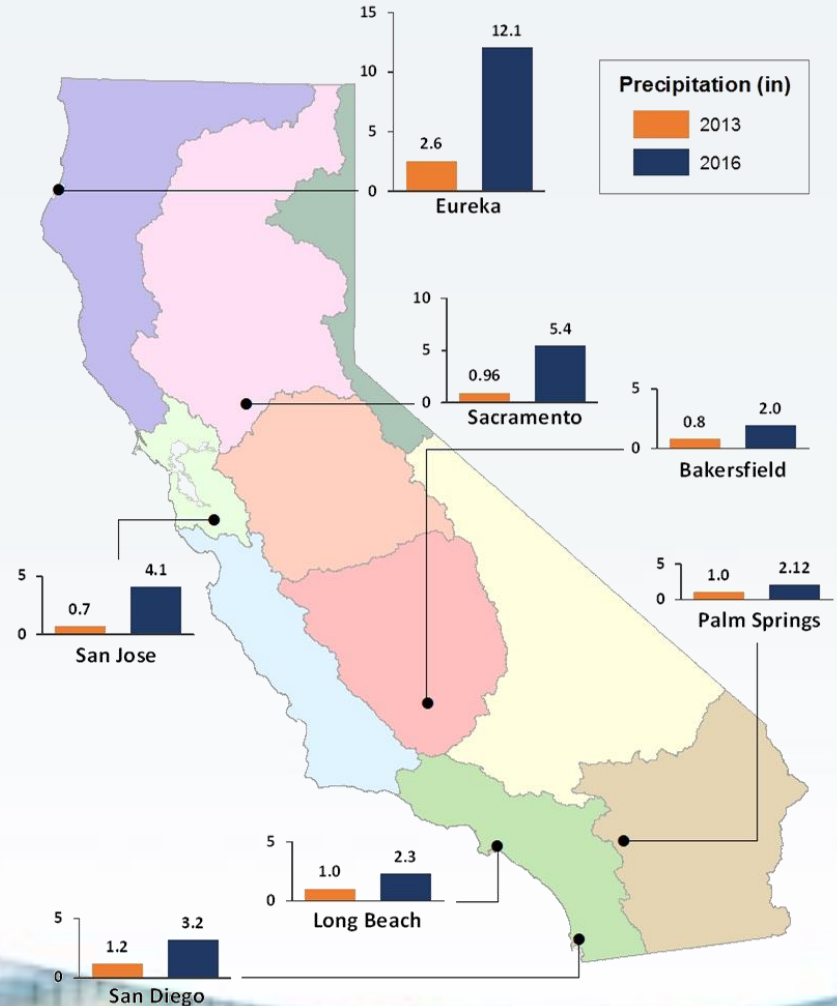
January Weather Conditions

(Select Cities)

Temperature



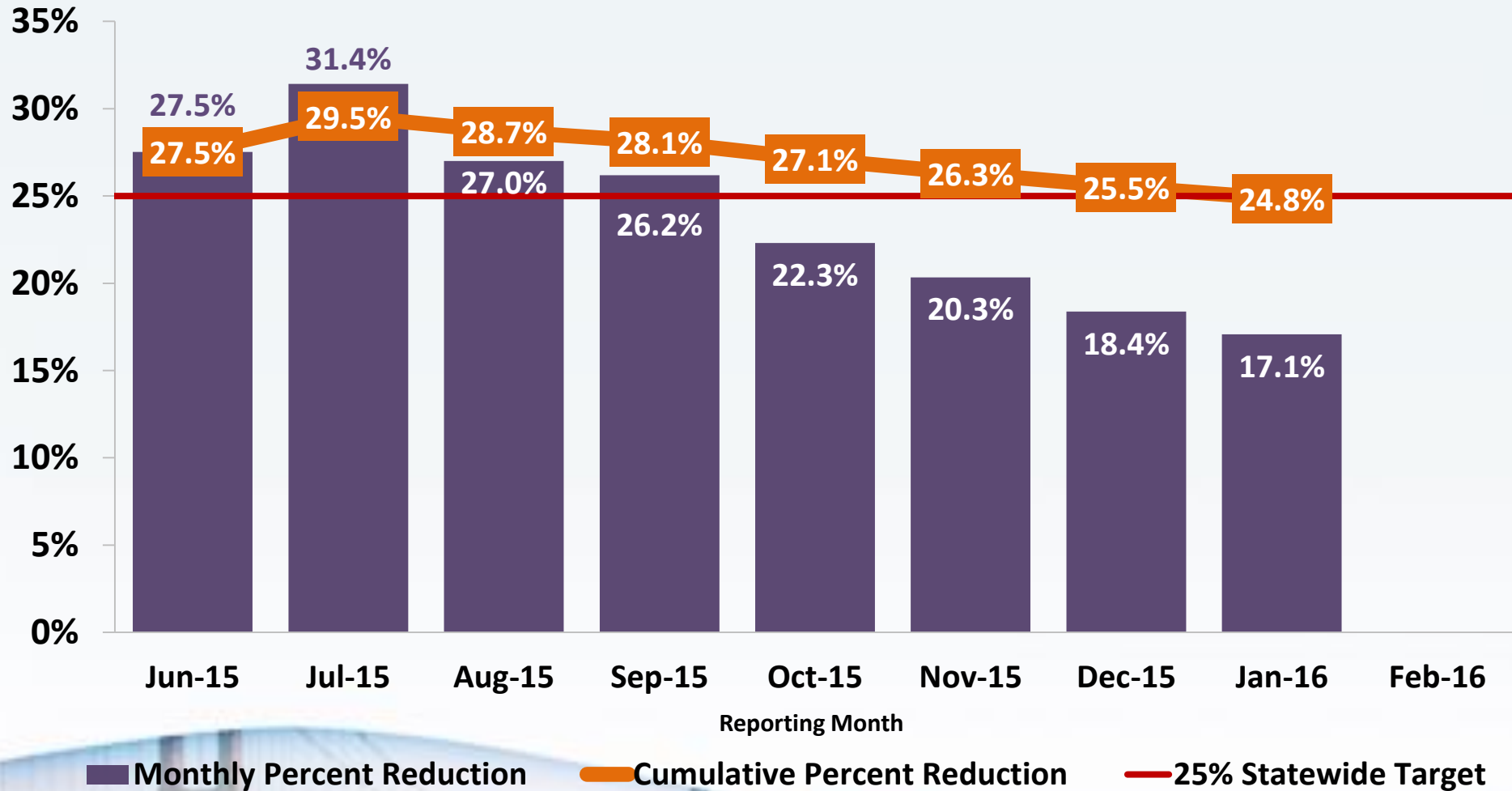
Precipitation



Statewide, January 2016 was hotter and wetter than January 2013

Statewide Water Production Percent Reduction

(Compared to 2013)

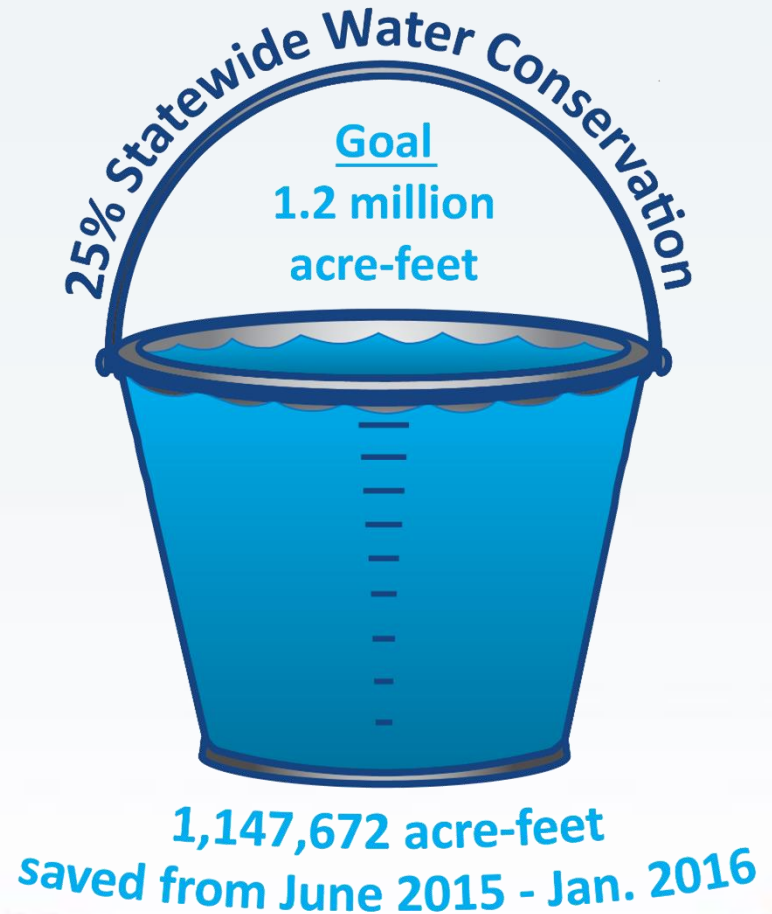


January 2016 savings (20.4 billion gallons or 62,664 acre-feet) brings statewide 8-month cumulative savings to 24.8 percent

Statewide Cumulative Savings

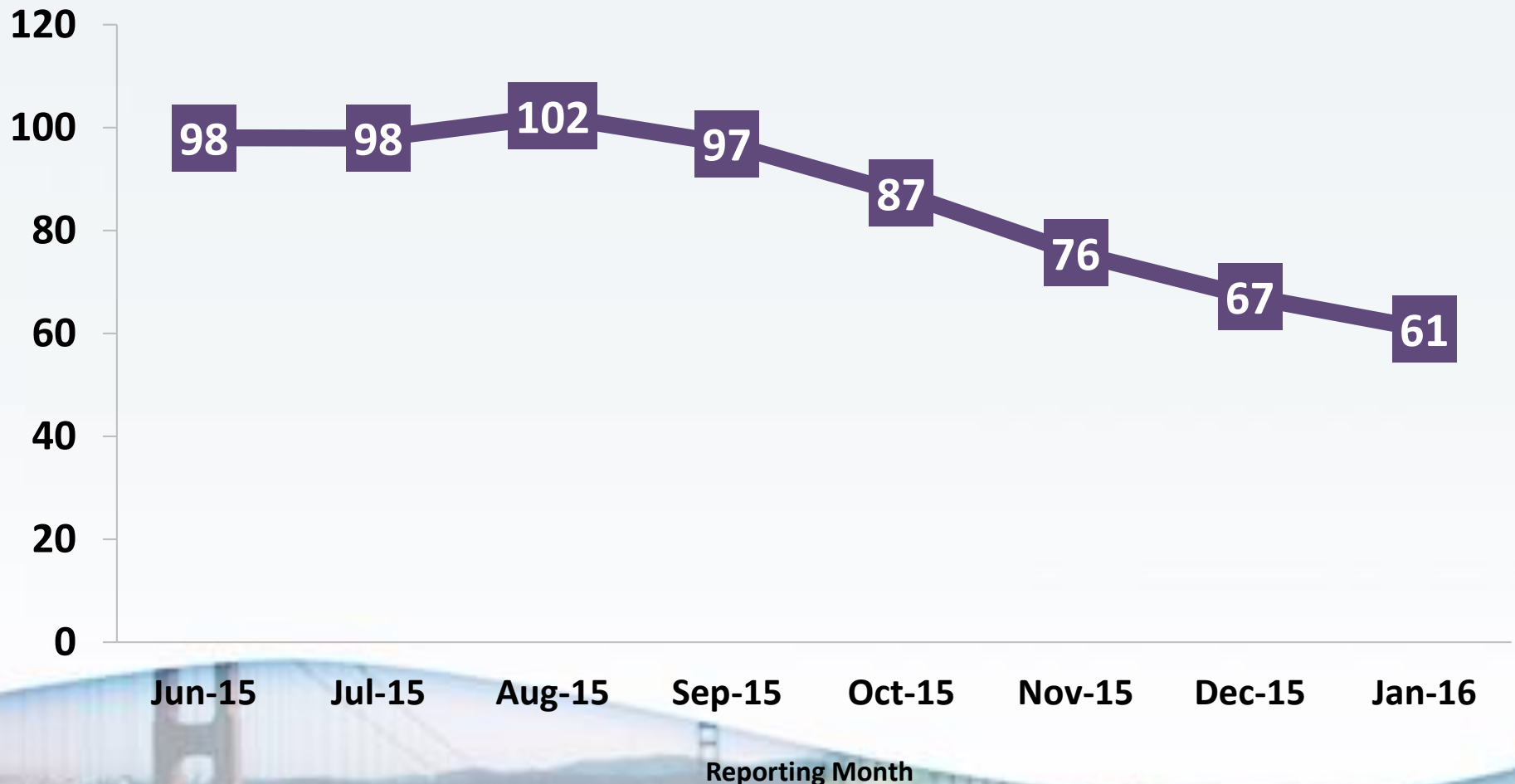
(June 2015 – January 2016)

- 1,147,672 acre-feet (374.0 billion gallons) of water saved
- This is 96% of savings goal
- Savings is enough to provide 5.7 million Californians with water for one year



Statewide Monthly Average Residential Gallons per Capita per Day

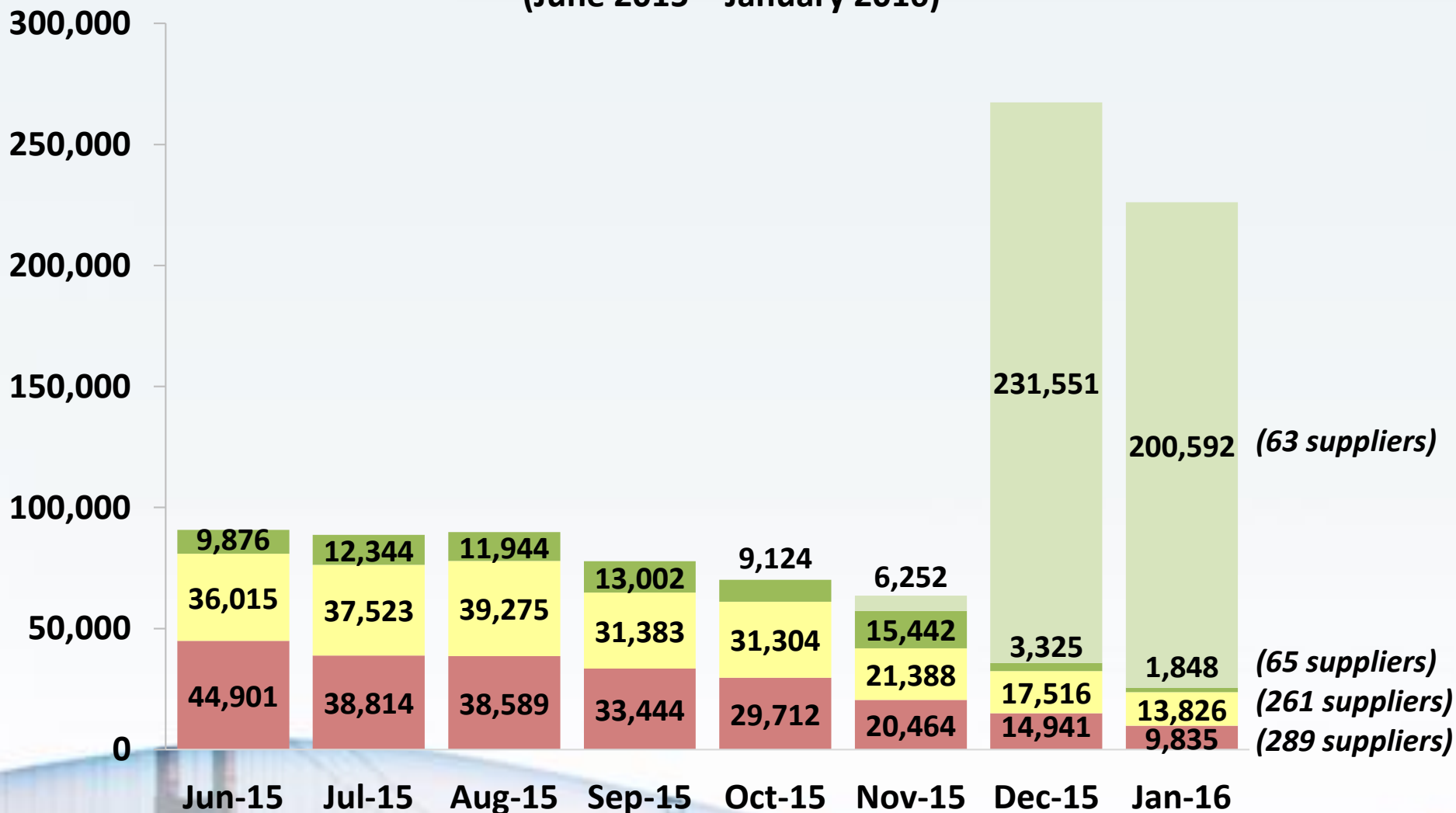
(June 2015 – January 2016)



Average Statewide January 2016 R-GPCD = 61

Supplier Enforcement Actions Taken

(June 2015 – January 2016)



Complaints Received

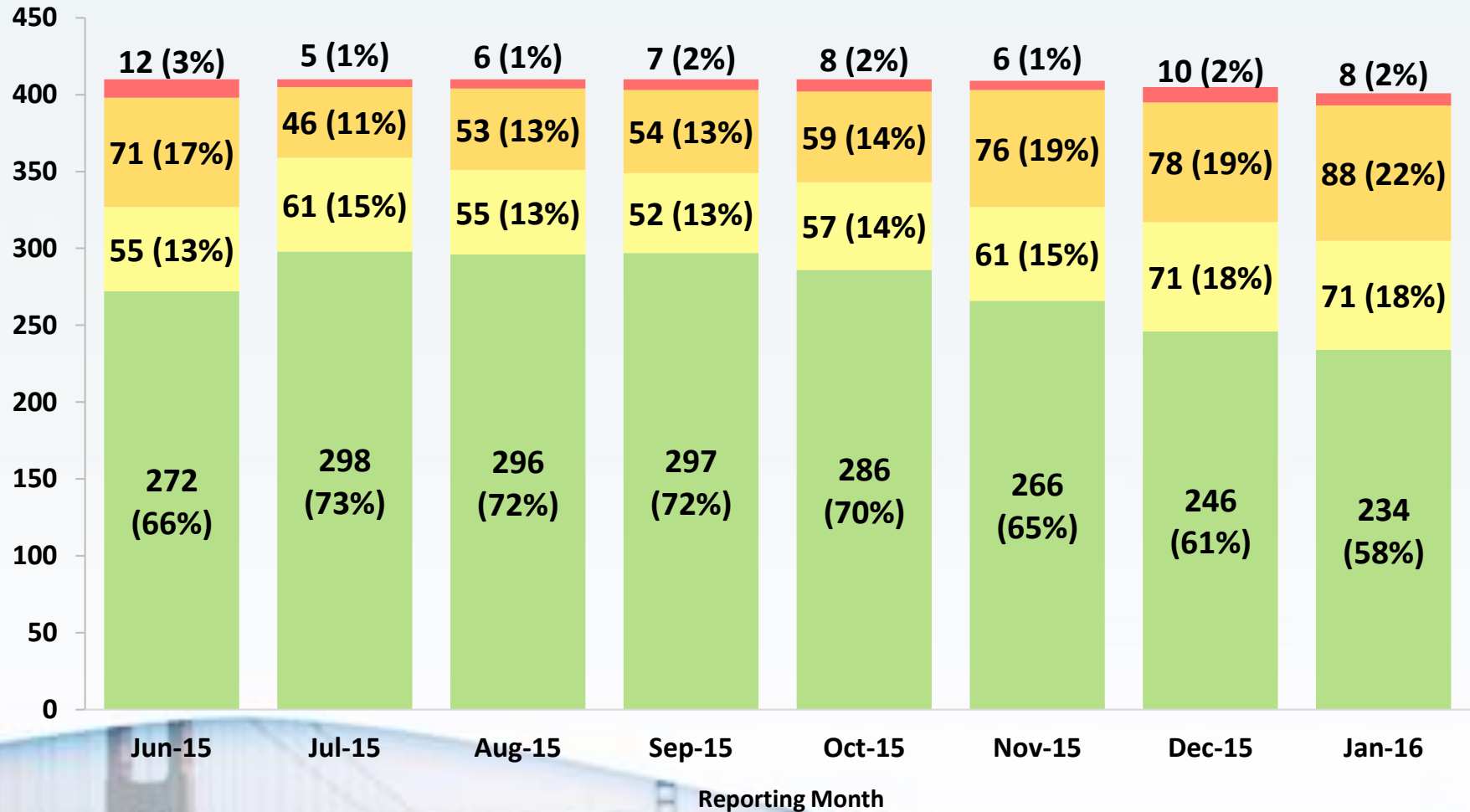
Other Penalties Assessed

Warnings Issued

Rate Penalties Assessed

Suppliers Reporting by Compliance Priorities

(June 2015 – January 2016)



■ 1 Greater than 15 percentage points from meeting standard

■ 2 Between five and 15 percentage points from meeting standard

■ 3 Between one and five percentage points from meeting standard

■ 0 Met or within one percentage point from meeting standard

Water Board Enforcement Actions since June 2015

Urban Water Suppliers

- Office of Enforcement has issued:
 - 97 Warning Letters
 - 117 Notices of Violation
 - 7 Alternative Compliance Orders
 - 12 Conservation Orders
 - 4 Administrative Civil Liability Complaints



Water Board Enforcement Actions since June 2015

Small Water Suppliers

- In response to the annual reports due Dec 2015, OE issued:
 - 52 Warning Letters (compliance could not be assessed)
 - 200 Out of Compliance Notices of Violation
 - 677 Non-Reporter Notices of Violation
- Working with small suppliers to achieve compliance
 - 1,906 reporters (almost 90 percent of required reporters)
- Working to update database of small suppliers



Small Suppliers vs. Urban Suppliers

- Definition of a Small Supplier
 - Community system, serving less than 3,000 connections or producing less than 3,000 acre-feet per year
 - Commercial, Industrial, Institutional systems are still required to comply but are not required to report
- Comparing Small to Urban
 - Numbers: ~2,200 vs. 409 (over 5 times as many small suppliers)
 - Reporters: 86 percent vs. 98 percent for January
 - Average Total Volume Water Produced (June through Dec):
 - 11 billion gallons vs. 154 billion gallons
 - Small supplier volume is 7 percent that of urban suppliers



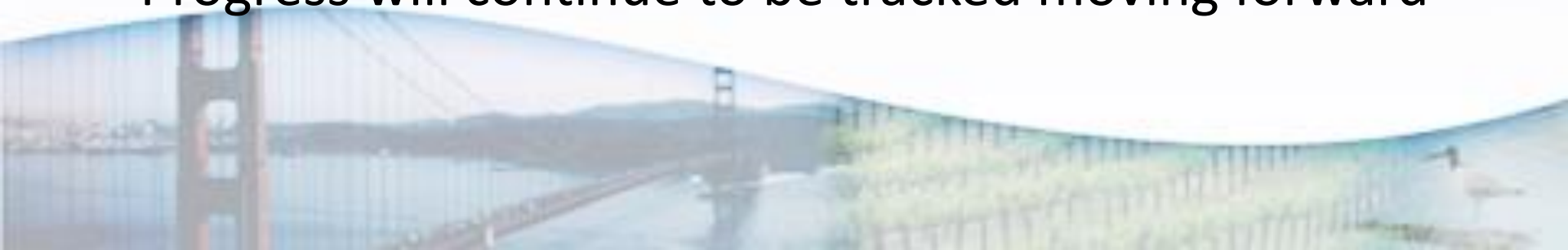
Performance for Suppliers with Conservation Orders (12)

- For June through January, 7 out of 12 suppliers show upward trends for cumulative percent savings
 - Order for Rainbow MWD, which has been meeting target for the past few months, to be rescinded
- 11 out of 12 are missing cumulative percent and volumes by
 - Between 7 and 29 percent
 - Between 73 and 441 million gallons



Performance for Suppliers with Alternative Compliance Orders (7)

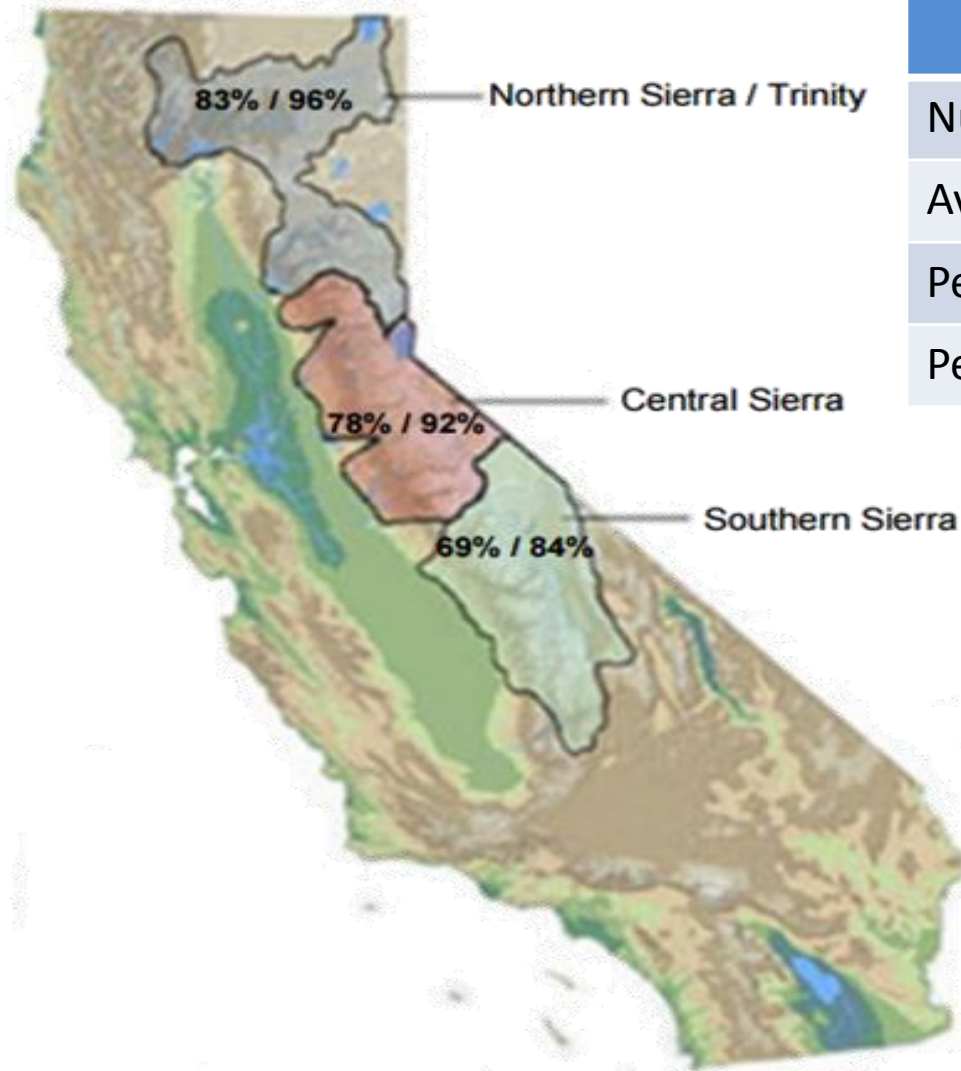
- For June through January, 5 out of 7 suppliers show upward trends for cumulative percent savings
 - 2 suppliers are meeting targets
 - All suppliers meeting items of their orders
- 5 out of 7 are missing cumulative percent and volumes by
 - Between 9 and 16 percent
 - Between 11 and 647 million gallons
- Progress will continue to be tracked moving forward



Snow Water Equivalents

(Inches, as of February 25, 2016)

% of April 1 Average / % of Normal for This Date

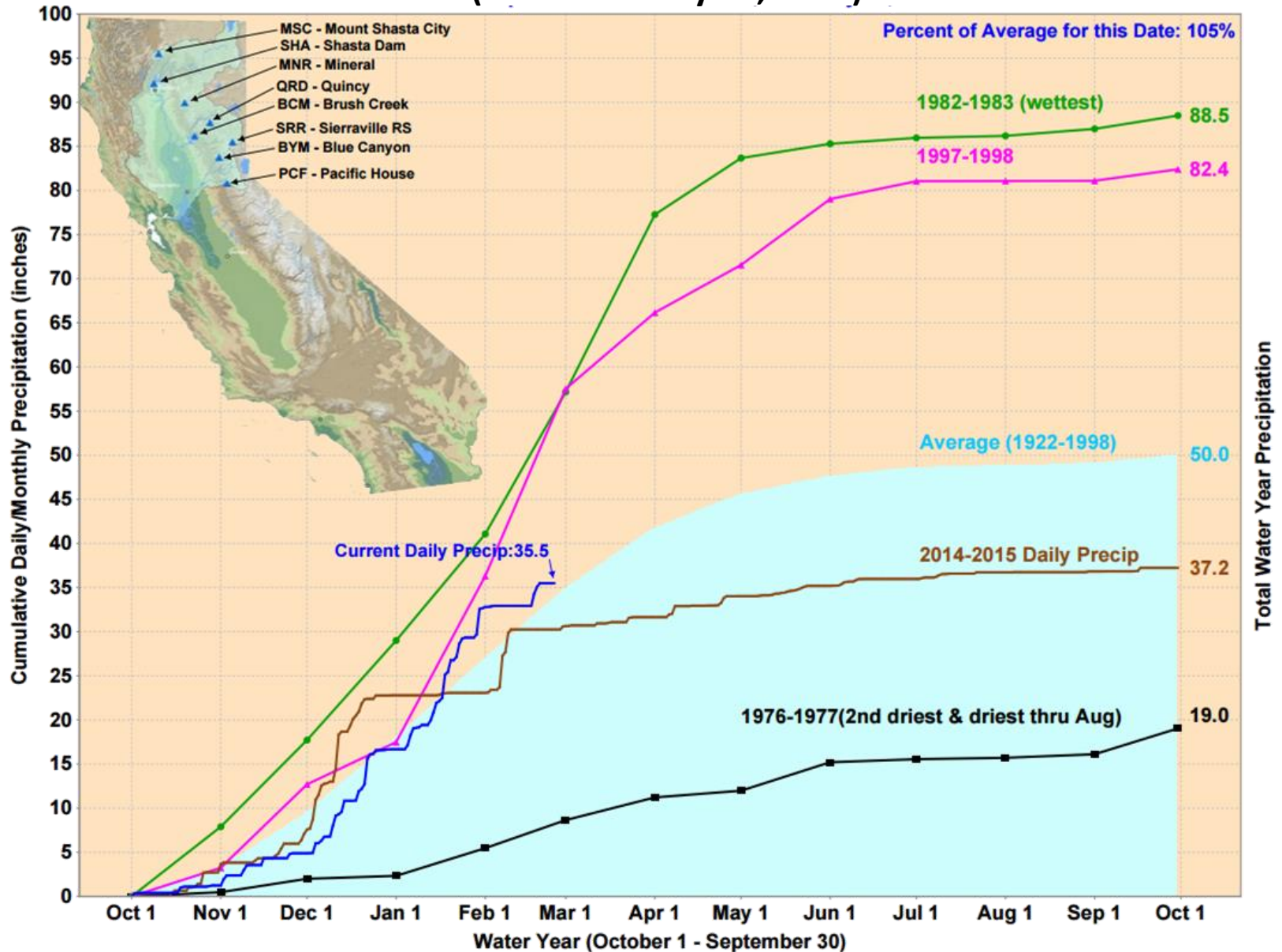


Statewide Summary

Number of Stations Reporting	95
Average Snow Water Equivalent (in)	21.2
Percent of April 1 Average (%)	77
Percent of Normal for this Date	91

Northern Sierra Precipitation: 8 Station Index

(As of February 25, 2016)



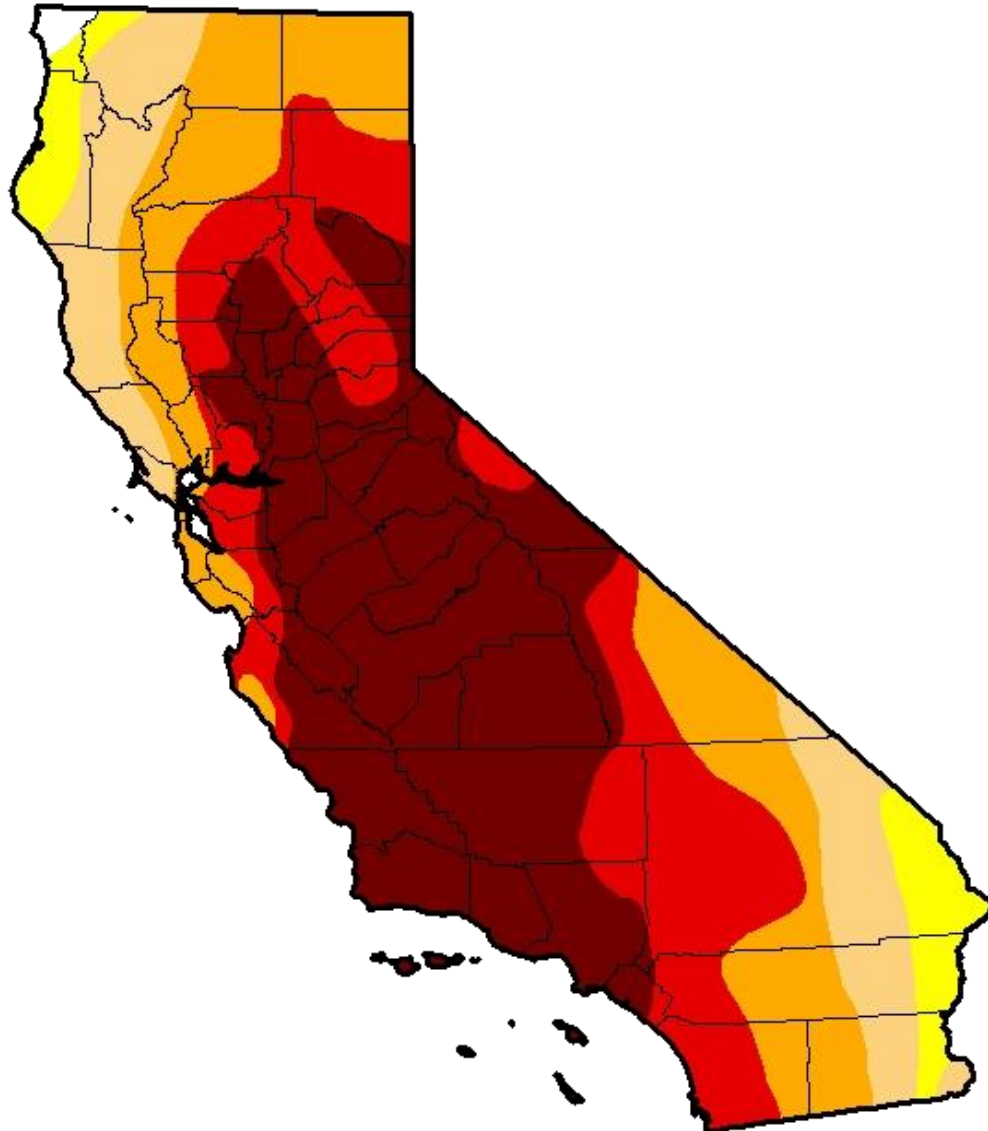
Reservoir Storage

(As of February 24, 2016)

Reservoir	Capacity Thousand Acre-Feet (TAF)	% Capacity	% Historic Average
Shasta	4,552	59	82
Oroville	3,538	51	74
Trinity Lake	2,448	34	46
New Melones	2,420	19	31
San Luis	2,039	42	50
Don Pedro	2,030	45	64
McClure (Exchequer)	1,024	17	33
Pine Flat	1,000	26	49
Folsom	977	64	116
Bullards Bar	966	70	109

U.S. Drought Monitor California

February 23, 2016
(Released Thursday, Feb. 25, 2016)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.43	99.57	94.38	81.82	60.86	38.48
Last Week 2/16/2016	0.29	99.71	94.69	81.82	61.40	38.48
3 Months Ago 11/24/2015	0.14	99.86	97.33	92.26	70.55	44.84
Start of Calendar Year 12/29/2015	0.00	100.00	97.33	87.55	69.07	44.84
Start of Water Year 9/29/2015	0.14	99.86	97.33	92.36	71.08	46.00
One Year Ago 2/24/2015	0.16	99.84	98.10	93.44	67.46	39.92

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

*Eric Luebehusen
U.S. Department of Agriculture*



February 2016 Emergency Regulation

- Adjusted conservation standards take effect March 1st
- Created conservation standard adjustments to consider:
 - Climate differences throughout the state
 - Urban growth
 - Investments in new, local, drought-resilient sources of water supply
- Conservation standard adjustment data are due to State Water Board by March 15th



Next Steps

- Staff will release final revised conservation standards in early April
- Staff continue to track drought conditions and will report to the Board in April
- Staff are working with stakeholders on concepts for next steps

